* For Examiners Reference

Claims

1. A carburetor, including an intake channel (22) formed in said carburetor, wherein at least one partition (31) is disposed in said intake channel (22), extends in the direction of a longitudinal axis (24) of said intake channel, and divides said intake channel into at least one air channel (8) and at least one mixture channel (21), where at least one fuel nozzle (27, 28) opens out into said at least one mixture channel (21), wherein a butterfly valve (26) is pivotably mounted in said intake channel (22), and wherein said butterfly valve is provided with at least two sections (29, 30) that are moveable relative to one another.

2. A carburetor according to claim 1, wherein one of said sections (29) of said butterfly valve (26) forms an air valve section that in a closing position substantially closes off at least one air channel (8).

3. A carburetor according to claim 2, wherein another section (30) of said butterfly valve (26) forms a mixture valve section that in a closing position substantially closes off a mixture channel (21).

4. A carburetor according to claim 1, wherein said sections (29, 30) of said butterfly valve (26), starting from a closing position of said butterfly valve, are moveable relative to one another by approximately 5 to 25°.

5. A carburetor according to claim 4, wherein said sections 29,30 of said butterfly valve 26 are moveable relative to one another by about 10 to 20°.

6. A carburetor according to claim 1, wherein one of said sections 30 of said butterfly valve 26 is fixedly connected with a first shaft 35, wherein another section 29 of said butterfly valve 26 is fixedly connected with a hollow shaft 38, and wherein at least a portion of a length of said first shaft 35 is surrounded by said hollow shaft 38.

7. A carburetor according to claim 6, wherein said another section 29 of said butterfly valve 26 is connected with a cross member 44 that is disposed on said hollow shaft 38.

8. A carburetor according to claim 2, wherein said air valve section 29 of said butterfly valve 26 is spring-loaded in the direction toward a closing position thereof.

9. A carburetor according to claim 8, wherein a first end 46 of a spring 39 is fixed in position on a housing 33 of said carburetor, and wherein a second end 47 of said spring 39 is fixed in position on an air valve shaft that is fixedly connected with said air valve section 29.

10. A carburetor according to claim 3, wherein a first engagement member 49 is connected with an air valve shaft, wherein a second engagement member 48 is connected with a butterfly valve

shaft 35, wherein said second engagement member 48 is associated with said first engagement member 49, wherein said air valve shaft is fixedly connected with said air valve section 29, wherein said butterfly valve shaft 35 is fixedly connected with said mixture valve section 30, and wherein said first and second engagement members 48, 49, in a closing position of said air valve section 29 and said mixture valve section 30 of said butterfly valve 26, have an angular spacing from one another in a circumferential direction that corresponds to a maximum rotational moveability of said air valve section 29 and said mixture valve section 30 relative to one another.

11. A carburetor according to claim 10, wherein said air valve shaft and said butterfly valve shaft 35 extend at least from said intake channel 29 to an outer side of a housing 33 of said carburetor.

12. A carburetor according to claim 11, wherein a first disk 42 is fixedly connected with said butterfly valve shaft 35 on an outer side of said carburetor housing 33, and wherein said second engagement member 48 is disposed on said first disk 42.

13. A carburetor according to claim 12, wherein said air valve shaft extends from said first disk 42 up to into said intake channel 22.

14. A carburetor according to claim 10, wherein a second disk 41 is fixedly disposed on said air valve shaft, and wherein said first engagement member 49 is disposed on said second disk 41.